

Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office INFORMATION DISCLOSURE CITATION (use several sheets if necessary)	Atty. Docket No. Enz-7 (C2)(P)(C2)	Serial No. 07/967,646
	Applicants: Jannis G. Stavrianopoulos et al.	
	Filed: October 28, 1992	Group: 1807

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
AM	4 3 5 8 5 3 5	11/09/92	Falkow <i>et al.</i>	435	5	
AM	4 7 1 1 9 5 5	12/08/87	Ward <i>et al.</i>	536	29	
AM	5 2 4 1 0 6 0	08/31/93	Engelhardt <i>et al.</i>	536	27	
AM	3 6 6 9 8 4 1	06/13/72	Miller	195	63	
AM	3 7 1 5 2 7 8	02/06/73	Miller	195	63	
AM	3 9 4 9 0 6 4	04/06/76	Bornstein <i>et al.</i>	424	1	
AM	4 0 0 1 5 8 3	01/04/77	Barrett	250	303	
AM	4 0 5 9 6 8 5	11/22/77	Johnson	424	12	
AM	4 1 2 0 9 4 5	10/17/78	Gutcho <i>et al.</i>	424	1	
AM	4 2 8 0 9 9 2	07/28/81	Sugiura <i>et al.</i>	424	1	
AM	4 3 7 6 1 0 0	03/08/83	David <i>et al.</i>	436	513	

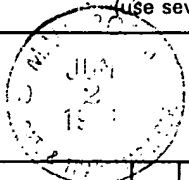
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
AM	2 0 1 9 4 0 8 A	10/31/79	UK Kourilsky <i>et al.</i>	—	—		
AM	0 0 6 3 8 7 9 B1	11/3/82 11/23/89	EPO Ward <i>et al.</i>	—	—		
AM	0 0 7 0 6 8 5	01/26/83	EPO Heller <i>et al.</i>	—	—		
AM	0 0 7 0 6 8 7	01/26/83	EPO Heller <i>et al.</i>	—	—		
AM	0 0 9 7 3 7 3 B1	1-4-84 10/07/92	EPO Engelhardt <i>et al.</i>	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM		Langer et al., "Enzymatic Synthesis of Biotin-Labeled Polynucleotides: Novel Nucleic Acid Affinity Probes," <u>Proc. Natl. Acad. Sci. (USA)</u> , <u>78 (11)</u> :6633-6637 (Nov. 1981)
AM		Ruth et al., "C-5 Substituted Pyrimidine Nucleosides.1.Synthesis of C-5 Allyl, Propyl, and Propenyl Uracil and Cytosine Nucleosides via Organopalladium Intermediates," <u>J. Org. Chem.</u> <u>43(14)</u> :2870-2876 (1978)
AM		Bergstrom et al., "C-5 Substituted Pyrimidine Nucleosides.2.Synthesis, via Olefin Coupling to Organopalladium Intermediates Derived from Uridine and 2'-Deoxyuridine," <u>J. Amer. Chem. Soc.</u> <u>100(26)</u> :8106-8112 (1978)
EXAMINER <u>Anders Masher</u>		DATE CONSIDERED <u>7-22-94</u>
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. include copy of this form with next communication to applicant.		

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AM		4 3 1 2 9 4 4	01/26/82	Mattiasson, <i>et al.</i>	435	7	
AM	/	4 5 8 1 3 3 3	04/08/86	Kourilsky, <i>et al.</i>	435	6	
AM		4 4 8 3 9 2 0	11/20/84	Gillespie, <i>et al.</i>	435	6	
AM		4 3 9 1 9 0 4	07/05/83	Litman, <i>et al.</i>	435	7	
AM		4 9 9 4 3 7 3	02/19/91	Stavrianopoulos, <i>et al.</i>	435	6	
AM		4 5 6 3 4 1 9	01/07/86	Ranki, <i>et al.</i>	435	6	
AM		4 2 7 1 1 4 0	06/02/81	Bunting	424	1	

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							YES	NO
AM	WO	8 3 0 2 2 7 7	07/07/83	Kourilsky, <i>et al.</i>	—	—		
AM	GB A	2 0 1 4 7 2 7	07/30/79	GB, Sanger, <i>et al.</i>	—	—		
	DE A	2 9 1 5 0 8 2	10/31/79	Germany	—	—		X*
AM	DE A	2 7 2 4 4 8 6	12/22/77	Germany, Wustly, <i>et al.</i>	—	—		X*
AM	GB A	2 0 2 6 6 9 0	02/06/80	GB, Bognard, <i>et al.</i>	—	—		

* English abstracts and U.S. Patents from the family have been provided in the Supp. IDS.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Bigge et al., "Palladium-Catalyzed Coupling Reactions of Uracil Nucleosides and Nucleotides," <i>J. Amer. Chem. Soc.</i> 102:2033 (1980)
AM	Weetal et al., "Porous Glass for Affinity Chromatography Applications," <i>Methods in Enzymology</i> , Vol. 34, <i>Affinity Techniques Enzyme Purification: Part B</i> , pp. 59-72 (Jakoby, W.B. and Wilchek, M., eds.) (1974)
AM	Filippusson et al., "The Preparation and Properties of Yeast β -Fructofuranosidase," <i>Biochem J.</i> 120:215-219 (1970)
AM	Chard T., <i>An Introduction To Radioimmunoassay And Related Techniques</i> , Elsevier Science Publishers, B.V. (1978)
EXAMINER <i>Andin Marschke</i> DATE CONSIDERED 7-22-94	
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AM	Grunstein, M., "Colony Hybridization: A Method For The Isolation of Cloned DNAs That Contain A Specific Gene," <u>Proc. Natl. Acad. Sci. (USA)</u> 72:3961-3965 (1975)
AM	Stavrianopoulos et al., "Glycosylated DNA Probes For Hybridization/ Detection of Homologous Sequences," presented at the Third Annual Congress For Recombinant DNA Research (1983)
AM	Singer et al., "Actin Gene Expression Visualized In Chicken Muscle Tissue Culture by Using In Situ Hybridization With A Biotinated Nucleotide Analog," <u>Proc. Nat'l Acad. Sci. (USA)</u> 79:7331-7335 (1982)
AM	Kennell, "Principles and Practices of Nucleic Acid Hybridization," <u>Progr. Nuc. Acid. Res. Mol. Biol., Vol. 11</u> , pp. 259-262 (1971)
EXAMINER	<i>Adrian Marshall</i>
DATE CONSIDERED	7-22-94
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

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AM	Alberts et al., <u>Molecular Biology of the Cell</u> , Garland Publishers, New York and London (1983), p. 719
AM	Hood et al., <u>Immunology</u> , Benjamin/Cummings Publishing Co., Inc. Menlo Park, CA (1978), p. 142
AM	Schuurs et al., "Enzyme Immunoassay," <u>Clinica Chimica Acta</u> 81:1-40 (1977)
AM	Langer-Safer et al Langer-Safer et al., "Immunological method for mapping genes on Drosophila polytene chromosomes," <u>Proc. Natl. Acad. Sci. (USA)</u> 79:4381-4385 (July 1982)
	Leary et al., "Rapid and sensitive colorimetric method for visualizing biotin labeled DNA probes hybridized to DNA or RNA immobilized on nitrocellulose: Bio blots," <u>Proc. Natl. Acad. Sci. (USA)</u> 80:4045-4046 (July 1983)
EXAMINER	<u>Adrian Marschel</u>
DATE CONSIDERED	<u>7-22-94</u>

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[illegible][illegible]

AM		Guesdon et al., "The Use of Avidin-Biotin Interaction in Immunoenzymatic Techniques," <u>Journal of Histochemistry and Cytochemistry</u> 27(8):1131-1139 (1979)
	/	Avrameas et al., "Enzyme immunoassay for the measurement of antigens using peroxidase conjugates," <u>Biochimie</u> 54:837-842 (1972)
AM		Bauman et al., "A new method for fluorescence microscopical localization of specific DNA sequences by in situ hybridization of fluorochrome-labelled RNA," <u>Exp. Cell Res.</u> 128:485-490 (1980)
EXAMINER	Adin Mawchoh	DATE CONSIDERED 7-22-94

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